

Dryden Research Library

Newsletter

May 2001

Dryden Research Library is located in
Bldg. 4800 Room 2412. Contact us at Ext. 3702 or 3127. Check
out our home page:
<http://www.dfrc.nasa.gov/organizations/Library/index.html>.
You can email Barbara Rogers or Cheryl Logan for any of your
library needs. The library Newsletter is best viewed using
Eudora 4.3.

For Your Information
We now have the Safety Videos in the
library. They may be checked out for a week
at a time.

New Books

The Library has received several new books:
Q123 .M5 1994 McGraw-hill Dictionary Of Scientific And
Technical Terms;
RA792 .S677 2000 Spatial Analysis, GIS And Remote Sensing
Applications In The Health Sciences;
QE369 .S65 I538 1992 Infrared (2.1-25 um) Spectra Of Minerals
NASA by John W Salisbury;
QA297 .F35 1998 Numerical Methods by J. Douglas Faires,
Richard Burden;
QA297 .B84 1997 Numerical Analysis by Richard L. Burden, J.
Douglas Faires;
QA297 .C34 1969 Applied Numerical Methods by Brice Carnahan,
H. A. Luther and James O. Wilkes;
TA345 .C47 1988 Numerical Methods For Engineers by Steven C.
Chapra, Raymond P. Canale;
TL507 .P75 V.189 2000 Scramjet Propulsion;

TK5105.5 .H68 1987 Data Communications & Teleprocessing Systems by Trevor Housley;
HD1379 .G58 1999 100 Questions Every First-Time Home Buyer Should Ask: With Answers From Top Brokers From Around The Country by Ilyce R. Glink;
HD1379 .I664 2000 Robert Irwin's Power Tips For Buying A House For Less by Robert Irwin;

Papers by Dryden Authors

- 1. Shafer, Mary F. and Paul Steinmetz, Pilot-Induced Oscillation Research: Status at the End of the Century, NASA/CP- 2001- 210389.**
- 2. Potter, Starr and Rick Lind, "Developing Uncertainty Models for Robust Flutter Analysis Using Ground Vibration Test Data," AIAA-2001-1585, presented at the 42nd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference and Exhibit, Seattle, Washington, April 16-19, 2001.**
- 3. Potter, Starr and Rick Lind, Developing Uncertainty Models for Robust Flutter Analysis Using Ground Vibration Test Data, NASA/TM 2001-210392, April 2001.**

THIS MONTH IN HISTORY

May 9, 1969 - HL-10 became the first lifting body to fly supersonically. John Manke, later to become Dryden site manager, was the pilot.

May 25, 1972 - First flight of aircraft with all-electric fly-by-wire flight control system the NASA F-8 Digital Fly-By-Wire research aircraft, with Gary Krier the pilot. Concept now used in many aircraft, including space shuttles

May 3, 1990 - First flight in NASA's first program to investigate laminar flow at supersonic speeds with actively controlled suction. Program used the only two F-16XL

prototypes to investigate passive and active methods of reducing turbulence on wing surfaces at high speeds.

May 15, 1991 - Full-scale X-30 structural test component, representing a wing control surface, arrived at Dryden's Thermostructural Research Laboratory for loads and temperature testing.

May 16, 1992 - Maiden landing of the Space Shuttle Endeavour, built to replace Challenger. Landing was viewed by an estimated 125,000 people, including 2,500 school students.

May 21, 1993 - First research flight with Dryden's F-18 Systems Research Aircraft (SRA) checked out an electric actuator that monitored and controlled one of the aircraft's ailerons, and became a testbed for advanced electric and fiber optics components.

May 13, 1995 - X-31 completed final research flights, making a total of 555 for the program